AUTONOMOUS VEHICLES

HOW ARE STATES PREPARING FOR THE FUTURE?
THE PAST
OVERVIEW

• Autonomous Vehicles (AV) 101
• Applications and potential impacts
• States AV strategies
• What can your state do to prepare?
# AUTONOMOUS VEHICLES 101

## AUTOMATION LEVELS OF AUTONOMOUS CARS

<table>
<thead>
<tr>
<th>Level</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>Level 0</strong></td>
<td>There are no autonomous features.</td>
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<tr>
<td><strong>Level 1</strong></td>
<td>These cars can handle one task at a time, like automatic braking.</td>
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<td><strong>Level 2</strong></td>
<td>These cars would have at least two automated functions.</td>
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<tr>
<td><strong>Level 3</strong></td>
<td>These cars handle “dynamic driving tasks” but might still need intervention.</td>
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<tr>
<td><strong>Level 4</strong></td>
<td>These cars are officially driverless in certain environments.</td>
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<tr>
<td><strong>Level 5</strong></td>
<td>These cars can operate entirely on their own without any driver presence.</td>
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APPLICATIONS
POTENTIAL IMPACTS

• Budgets/Funding Sources
• Cyber, Data Security, and Privacy
• Accessibility
• Congestion
• Legal (insurance/legislation/policy updates)
• Land Use
• Safety
SAFETY STATISTICS

• 253 million cars and trucks
• 40,000 people killed
• 4.57 million injured
• $ 413.8 billion lost

WASHTO STATE INTERVIEWS

• Interviewed each WASHTO State
• Identified State strategies
• Independently researched
WASHTO STATES AV IMPLEMENTATION STRATEGIES

- Actively Pursuing
- Passively Engaged
- Monitoring

Map showing states colored in three different colors representing the three strategies.
AV IN ACTION

ARIZONA
LEVERAGING TECHNOLOGY

GOT BAD WEATHER?  GO CONNECTED ON I-80!
WASHTO STATES WITH AV RULES/REGULATIONS

- Proposed/Enacted Legislation
- Executive Order
- None
WASHTO STATES WITH AV STAKEHOLDER GROUP

Created a Formal Stakeholder Group

Have not established a Formal Stakeholder Group
CHALLENGES

• Resources
• Rapidly changing technology
• Lack of exposure
RECOMMENDED ACTION ITEMS

• Be flexible
• Engage the community
• Get involved, monitor, and collaborate
• Get invested
QUESTIONS

• Megan Kilty – Nevada
• Iqbal Hossain – Arizona
• John Cordary – Texas
• Lacey Bruckner – Wyoming
• Stacey Shepard – Washington